



# ZHEJIANG HOSHINE SILICON INDUSTRY CO., LTD.

Classification	Model	Application	Appearance	Hardness (Shore A)	Tensile Strength (Mpa) $\geq$	Tear Strength (kN/m) $\geq$	Elongation (%) $\geq$	Tensile Set (%) $\leq$	Rebound (%) $\geq$
Middle grade Silicone Rubber For Molding	HS-2131	Good transparency, rebound resilience and demoulding performance. Suitable for various kinds of keypads, home appliances, cake molds and seals.	Translucent	30 $\pm$ 2	6	12	700	8	60
	HS-2141		Translucent	40 $\pm$ 2	7.5	16	550	8	64
	HS-2151		Translucent	50 $\pm$ 2	7.5	18	400	6	64
	HS-2161		Translucent	60 $\pm$ 2	8	20	350	6	55
	HS-2171		Translucent	70 $\pm$ 2	8	20	280	6	45
Standard Silicone Rubber For Molding	HS-2132	Good transparency, rebound resilience and demoulding performance. Suitable for various kinds of keypads, parts and silicone rubber products.	Translucent	30 $\pm$ 2	6.5	14	700	8	60
	HS-2142		Translucent	40 $\pm$ 2	8	20	550	8	64
	HS-2152		Translucent	50 $\pm$ 2	8.5	20	400	6	64
	HS-2162		Translucent	60 $\pm$ 2	8.5	22	350	6	55
	HS-2172		Translucent	70 $\pm$ 2	8	22	280	6	45
High Grade Silicone Rubber For Molding	HS-2136	High transparency and tensile strength. Suitable for high grade silicone rubber products.	Translucent	30 $\pm$ 2	7	14	700	6	62
	HS-2146		Translucent	40 $\pm$ 2	8.5	20	550	6	66
	HS-2156		Translucent	50 $\pm$ 2	8.5	20	450	6	66
	HS-2166		Translucent	60 $\pm$ 2	9	22	380	6	55
	HS-2176		Translucent	70 $\pm$ 2	8.5	22	300	6	45
Low Hardness Silicone Rubber	HS-2121	Good demoulding performance, rebound resilience and soft handle. Suitable for swimming caps, diaphragms, health products, toys and so on.	Translucent	21 $\pm$ 1	4	10	800	6	55
	HS-2126		Translucent	21 $\pm$ 1	4.5	10	800	6	55
	HS-2121W		Translucent	26 $\pm$ 1	5.5	12	700	6	60
	HS-2126W		Translucent	26 $\pm$ 1	6	12	700	6	60
	HS-2111		Translucent	10 $\pm$ 2	—	—	—	—	—
High Hardness Silicone Rubber	HS-2171W	Good processability and high hardness. Suitable for various kinds of molded parts.	Translucent	75 $\pm$ 1	7	20	200	4	40
	HS-2181		Translucent	80 $\pm$ 2	7	20	200	4	40
	HS-2181W		Translucent	85 $\pm$ 1	6.5	16	150	3	40
	HS-2191		Translucent	89 $\pm$ 1	6	14	150	3	40
Excellent Demoulding Silicone Rubber	HS-2139	Common transparency with excellent demoulding performance. Suitable for making hard demoulding products which are large in size or complex in structure.	Translucent	30 $\pm$ 2	6	14	750	10	55
	HS-2149		Translucent	40 $\pm$ 2	8	18	600	8	60
	HS-2159		Translucent	50 $\pm$ 2	8	18	500	8	60
	HS-2169		Translucent	60 $\pm$ 2	8	20	400	8	50
	HS-2179		Translucent	70 $\pm$ 2	7.5	20	350	6	40

High Elongation Silicone Rubber	HS-2630	Good transparency and demoulding performance. Suitable for cellphone, mp3, mp4, walkman and other high elongation products.	Translucent	30±2	6.5	14	900	14	50
	HS-2640		Translucent	38±2	7.5	18	800	14	45
	HS-2650		Translucent	50±2	8	18	650	10	45
	HS-2660		Translucent	60±2	8	22	500	10	45
	HS-2670		Translucent	70±2	8	22	400	10	40
Flexible Silicone Rubber	HS-2231	Good transparency, rebound resilience and resistance yellowing. Suitable for making high flexible or low compression set products like sealing rings for vacuum bottle, pressure cooker, keypads, rubber rollers, cake molds and so on.	Translucent	30±2	6	14	600	6	65
	HS-2241		Translucent	40±2	7	16	450	6	70
	HS-2251		Translucent	50±2	7	16	370	4	70
	HS-2261		Translucent	60±2	7.5	18	300	4	60
	HS-2271		Translucent	70±2	7.5	20	200	4	50
Low-yellowish Silicone Rubber	HS-2941	Good transparency, rebound resilience and resistance second yellowing properties. Suitable for high grade keypads and parts.	Translucent	40±2	7	16	500	6	66
	HS-2951		Translucent	50±2	8	16	400	6	66
	HS-2961		Translucent	60±2	8	20	350	6	58
Common Low Compression Set Silicone Rubber	HS-303	Good transparency, rebound resilience and anti-tensile properties. Suitable for high-grade seals.	Translucent	30±2	5	12	500	4	70
	HS-404		Translucent	40±2	6	14	400	4	75
	HS-505		Translucent	50±2	7	16	320	4	75
	HS-606		Translucent	60±2	7	18	280	3	64
	HS-707		Translucent	70±2	7	18	150	3	55
Boiled Non-whitening Silicone Rubber	HS-941	Good transparency and rebound resilience. After 30~120minutes boiled, there won't have any apparent whitening on the surface of the products.	Translucent	40±2	8	18	500	6	70
	HS-951		Translucent	50±2	8.5	18	380	6	70
	HS-961		Translucent	60±2	8.5	20	300	4	60
	HS-971		Translucent	70±2	8.5	20	200	4	50
Platinum vulcanization Silicone Rubber for Molding	HS-6631	Good transparency and strength, short curing time. Suitable for kitchenware with eco-friendly and odourless advantages.	Translucent	30±2	7.5	14	600	6	60
	HS-6641		Translucent	40±2	8	16	500	6	64
	HS-6651		Translucent	50±2	9	18	400	4	64
	HS-6661		Translucent	60±2	9	18	350	4	55
	HS-6671		Translucent	70±2	9	18	300	4	45
Economical Silicone Rubber For Molding	HS-2130	Regular transparency, good rebound resilience and demoulding performance. Suitable for keypads of phone, game player and calculator, as well as bracelets and seals.	Translucent	30±2	4.5	10	650	8	60
	HS-2140		Translucent	40±2	6	14	500	8	64
	HS-2150		Translucent	50±2	6	16	400	8	64
	HS-2160		Translucent	60±2	6.5	16	350	8	55
	HS-2170		Translucent	70±2	6.5	18	260	8	45

Basic Silicone Rubber	HS-2730	Good processability and mixing performance. Quartz powder, diatomite, Aluminium Hydroxide and other fillers can be added according to customers' specific demands so as to decrease the cost.	Translucent	30±2	7	16	850	14	50
	HS-2740		Translucent	38±2	7.5	18	750	14	50
	HS-2750		Translucent	48±2	7.5	18	650	12	50
Heat Resistant Silicone Rubber	HS-0651	280℃ high temperature resistance or 300℃—350℃ intermitted or inter-mittent duty. Suitable for manufacturing high-temperature resistant rubber, such as rubber roller, heat resistant extrusion wire, seals, drive pipe and sheets.	white	50±2	8.5	18	350	6	66
	HS-0661		white	60±2	9	20	280	4	60
	HS-0671		white	70±2	9	20	200	4	50
Electrical High Voltage Insulator Silicone Rubber	HS-0551	Good processability and physical properties with excellent electrical insulating and flame retardancy, resistance pollution flashover, corona and arc. tracking Resistance 1A4.5, class. Suitable for insulators, arresters, TV anode caps and so on.	offwhite	50±2	6	16	400	4	55
	HS-0561		offwhite	60±2	6	16	300	4	55
	HS-0571		offwhite	70±2	5	14	200	4	45
Fire Resistant Silicone Rubber	HS-0231	Good processability and physical properties, excellent electrical insulation, low smoke, no hollide and harmless to human bodies with FV-0 grade flame retardant. Suitable for making various kinds of molding and flame-retardant products.	white	30±2	3.5	10	550	6	55
	HS-0241		white	40±2	3.5	12	450	6	55
	HS-0251		white	50±2	5	14	350	4	55
	HS-0261		white	60±2	6	16	300	4	50
	HS-0271		white	70±2	5.5	16	200	4	40
Flame Retardant and Heat Resistance Extrusion	HS-0351	Good processability, excellent electrical insulation. heat-resisting, no hollide and harmless to human bodies with FV-0 grade flame retardant.	offwhite	50±2	5.5	14	400	6	50
	HS-0361		offwhite	60±2	5.5	16	300	6	45
	HS-0371		offwhite	70±2	5	16	200	4	40
Extrusion Silicone Rubber	HS-1131	Good transparency, extrusion and processability. Suitable for DCBP Platinum Sulfide and making various kinds of extrusion rubber hose, strip and wire.	Translucent	31±2	7	14	600	6	60
	HS-1141		Translucent	41±2	8	16	500	6	64
	HS-1151		Translucent	51±2	8	16	400	6	64
	HS-1161		Translucent	61±2	8	18	350	6	55
	HS-1171		Translucent	71±2	8	18	280	6	48
	HS-1181		Translucent	81±2	7.5	18	200	4	40

Good Transparency Extrusion Silicone Rubber	HS-1542	Good transparency and strength. Suitable for making wire, cable, tubes and extrusion products, as well as DCBP Platinum Sulfide	Translucent	41±2	9	20	600	6	60
	HS-1552		Translucent	50±2	9.5	20	500	6	55
	HS-1562		Translucent	60±2	9.5	25	450	6	55
	HS-1572		Translucent	70±2	9.5	25	350	6	50
	HS-1582		Translucent	80±2	8.5	25	250	6	45
Economical Silicone Rubber	HS-5220	Good transparency and mechanical strength. Suitable for various kinds of parts and replacing High-grade Fumed Rubber partially .	Translucent	20±2	6.5	12	850	6	50
	HS-5230		Translucent	30±2	7.5	16	750	6	55
	HS-5240		Translucent	40±2	8.5	20	700	6	55
	HS-5250		Translucent	50±2	9	28	650	6	55
	HS-5260		Translucent	60±2	9	28	550	6	50
	HS-5270		Translucent	70±2	9	32	450	6	45
	HS-5280		Translucent	80±2	8	28	300	6	40
High Strength Silicone Rubber	HS-5222	Good transparency. Suitable for O-rings, gaskets, seals, food contact fittings, swimming appliance, tubes, baby nipple and so on.	Translucent	20±2	7	14	850	6	50
	HS-5232		Translucent	30±2	8	16	800	6	55
	HS-5242		Translucent	40±2	9	25	700	6	55
	HS-5252		Translucent	50±2	9.5	40	650	6	55
	HS-5262		Translucent	60±2	9.5	40	600	6	50
	HS-5272		Translucent	70±2	9.5	45	500	6	45
	HS-5282		Translucent	80±2	9	30	350	4	40
High Flexible Silicone Rubber	HS-5542	Good transparency and excellent rebound resilience and resistance yellowing properties. Suitable for making high transparency or high elasticity parts, cake molds and kitchenware.	Translucent	40±2	8.5	22	700	6	65
	HS-5552		Translucent	50±2	8.5	25	550	4	70
	HS-5562		Translucent	60±2	9	25	450	4	65
	HS-5572		Translucent	70±2	9	25	300	4	55
High Demoulding Silicone Rubber	HS-5239	Good transparency and demoulding performance. Suitable for parts which are big in size or complex in structure.	Translucent	30±2	8	16	800	6	55
	HS-5249		Translucent	40±2	9	25	700	6	55
	HS-5259		Translucent	50±2	9.5	40	650	6	55
	HS-5269		Translucent	60±2	9.5	45	600	6	50
	HS-5279		Translucent	70±2	9.5	45	500	6	45
High Transparency Platinum Silicone Rubber for Molding	HS-0832	Good transparency and strength. Suitable for kitchenware and food contacts for its eco-friendly and odourless.	Translucent	30±2	8	16	800	6	60
	HS-0842		Translucent	40±2	9.5	20	700	6	60
	HS-0852		Translucent	50±2	10	25	550	4	60
	HS-0862		Translucent	60±2	10	25	450	4	55
	HS-0872		Translucent	70±2	10	25	300	4	50
Long Life Silicone Rubber	HS-7142	Good transparency, excellent rebound resilience and resistance yellowing properties. Suitable for making anti-fatigue products.	Translucent	41±2	8	30	600	4	65
	HS-7152		Translucent	51±2	8.5	30	550	4	70
	HS-7162		Translucent	61±2	8.5	35	450	4	65

Baby Nipple Silicone Rubber	HS-5243	Good transparency, rebound resilience and demoulding performance. Special used for making baby nipples.	Translucent	41±2	9	25	650	6	60
	HS-5253		Translucent	48±2	9	25	600	6	60
Low Compression Set Silicone Rubber	HS-0942	Good processability and low compression set. Suitable for making rubber rolls or high standard seals.	offwhite	40±2	4.5	10	350	15	55
	HS-0972		offwhite	70±2	6	12	200	15	45
Oil Resistant Silicone Rubber	HS-0432	Good oil resistance against ASTM1# and IRM903#. Suitable for oil resistant auto-parts.	offwhite	30±2	4.5	10	400	8	55
	HS-0452		offwhite	50±2	5.5	12	300	8	50
	HS-0472		offwhite	68±2	6	12	200	8	40
Silicone Rubber for Cable Set	HS-0742	Excellent electrical insulation.tracking Resistance 1A4.5 class. Volume Resistivity≥1.6*10 <sup>14</sup> Ω·cm. Dielectric Strength≥22KV/mm. Suitable for insulating sheath of cable splice at both low and high voltage workplace.	light yellow	40±2	9	25	700	6	50

## Remark

1. Vulcanization condition: mould pressing. 0.6%101, 175°C ×5 min, no second vulcanization.
2. The 101 vulcanizator we used is the normal DMDBH with 93% content. In the actual production, other similar vulcanizator still can be used due to different processes or uses, such as DCBP vulcanizator.
3. Test method: Visual inspection for appearance; As for hardness, please refer to the *GB/T531-1992 Shore A Hardness Test Methods for Rubber*; For tensile strength, elongation and tensile set, please refer to the *GB/T528-1998 Rubber, Vulcanized or Thermoplastic - Determination of Tensile Stress-Strain Propertie*; For tear strength please refer to the *GB/T529-1999 Rubber, Vulcanized or Thermoplastic - Determination of Tear Strength*.
4. The above data is just for your reference. The newest data is subject to the Certificate of Analysis of the goods.
5. Prior notice will not be given for products improvements and design changes.
6. The above silicone rubbers are targeted for industrial application. For finished products, hygienic testings should be made before using them for health and medical services. In addition, to use this product in embedding or injecting into human bodies are strongly prohibited. For detail information, please kindly refer to the MSDS.
7. Zhejiang Hoshine Silicon Industry Co., Ltd. reserves the right of final interpretation for this introduction. For further information of our products, please feel free to contact us.